

Maria Falvo, 10:52 AM 7/31/96 , MEMO TO CPTWG wrt Subgroups

Return-Path: <Maria\_Falvo@studio.disney.com>  
Date: 31 Jul 1996 10:52:38 -0700  
From: "Maria Falvo" <Maria\_Falvo@studio.disney.com>  
Subject: MEMO TO CPTWG wrt Subgroups  
To: "Dave Alles" <dalles@microsoft.com>, "David Amsmith" <awk@ibeam.intel.com>,  
"Bianca Arbucci" <bianca\_arbucci@warnerbros.com>,  
"Frtiz Attaway" <mpaad@ix.netcom.com>,  
"Tatsuo Baba" <baba\_t@hal.sp.hitachi.com>,  
"Mary Dee Beal" <beall@corp.hp.com>,  
"Alan Bell" <bella@almaden.ibm.com>,  
"Gustavo Benedicty" <gustavo\_benedicty@ccml1.sc.intel.com>,  
"Peter Biddle" <peterbi@microsoft.com>,  
"Fiona Branton" <fbranton@itic.nw.dc.us>,  
"Vito Brug-Liera" <vito.brugliera@zenith.com>,  
"Jim Burger" <burger@apple.com>,  
"Takeshi Chikazawa" <chika@iss.isl.melco.co.jp>,  
"Miles Circo" <mcirco@patapsco.com>,  
"Paul Cohen" <paul\_m\_cohen@ccm.jf.intel.com>,  
"Bill Connolly" <103130.104@compuserve.com>,  
"Chris Cookson" <chris\_cookson@warnerbros.com>,  
"Dan Dalton" <ddalton@vnet.ibm.com>,  
"Derek Davis" <derek\_l\_davis@intel.com>,  
"Dan Driscoll" <dand@bangate.compaq.com>,  
"Evan Edelist" <sladeed@mis25.msmail.spe.sony.com>,  
"Maria Falvo" <Maria\_Falvo@studio.disney.com>

Mail\*Link(r) SMTP

MEMO TO CPTWG wrt Subgroups

-----  
Date: 7/31/96 10:27 AM  
From: Bob Lambert

Copy Protection Technical Working Group (CPTWG) participants:

As discussed at the last meeting held 7/18/96 in Burbank, five separate technical subcommittees of the Copy Protection Technical Working Group have been identified in order to bring focus to the various aspects of the technical solution, increase the rate of progress as well as improve the communications and clarity of the working process itself. Each of the co-Chairs will assume responsibility for coordination subcommittees, as indicated below.

The co-Chairs request that each of you review the scope of the work areas of the five subcommittees described below to identify which group (or groups) that you wish to actively participate in. If you do choose to participate in one or more of the subcommittees, please be prepared to accept work assignments between meetings as required to move the area forward, as each subcommittee will be free to define ad-hoc specialist subgroups to task.

AEJ

IS.

M-5937

There is no obligation to participate in a subcommittee, periodic status reports will be made to the assembled Copy Protect Technical Group by the subcommittees. However if you have a strong expertise or interest in a particular area(s), the subcommittees are the best place to provide your input at the earliest stage in the process.

In order to permit people to contribute to more than one subcommittee, as well as to maintain communications between them as much as possible, the co-Chairs are proposing to hold all subcommittee meetings at a single location during a two day period. The first such two day period has been set for Wednesday 14th and Thursday 15th August in Burbank (Los Angeles). The follow-on meetings are proposed to be held every two weeks, and to alternate between the LA area and Silicon Valley (San Jose area). Status meetings with the entire CPTWG as well as the Policy group will be held as required.

Further details for the 8/14-15 meeting will be distributed as soon as possible, and reflect the participation profile across the subgroups as much as possible, as far as the schedule of each subcommittees meeting.

PLEASE RESPOND TO BIANCA AT CHRIS COOKSON'S OFFICE ASAP INDICATING WHICH SUBCOMMITTEE(S) YOU WISH TO CONTRIBUTE TO... INDICATE \*ONLY\* THOSE IN WHICH YOU WILL ACTIVELY PARTICIPATE.  
BIANCA's E-MAIL ADDRESS IS:

bianca\_arbucci@warnerbros.com

Regards, Alan

PS: Any comments or suggestions to myself or any of the other co-chairs

+++++

#### GUIDELINE DESCRIPTIONS OF SUBCOMMITTEE AREAS

##### 1.) DVD SUBCOMMITTEE (Alan Bell)

The charter would be to continue the work on encryption including key management (in a technical sense, but also giving whatever guidance necessary for the Policy Committee to consider the business entity which would administer the key, or keys); to decide how and in what way copy control can be effected in all forms of DVD implementation: stand-alone, in a computer environment, read-only, record (etc.); and all other technical issues concerning DVD as may arise.

##### 2.) AUDIO/VIDEO COPY PROTECTION INFORMATION SUBCOMMITTEE (Chris Cookson or Bob Lambert)

Focus on the design of the most appropriate system (or systems) of embedding copy control information in such a way as to ensure that the computer does not lose copy control data in its ordinary operations.

Determine how embedded data will operate in the presence of associated data (APS, CGMS et al).

3.) TRANSMISSION MEDIA SUBCOMMITTEE (Bill Connolly)

Review all present and foreseen methods of electronic delivery of copy controlled material with a view toward applying the principles of copy control as defined in the Chairman's Report. This group should pay particular attention to how copy controlled material would enter the home environment and by what means it would inter-connect with DVC, DVD, Television Receivers, Computers et al.

4.) EXISTING AND FUTURE AUDIO AND VIDEO FORMATS SUBCOMMITTEE  
(David Stebbings)

This group would deal with the technical aspects of copy control of non-encrypted D-D formats presently in the marketplace (examples of which are Audio CD, Video CD) as well as formats which may be introduced.

5.) A-D and D-A SUBCOMMITTEE (Bob Lambert or Chris Cookson)

This group would be charged with the technical design of the detection of APS (or CGMS-A) at the analog input to a computer and the appropriate response to effect single copy with no further serial copies permitted as well as no copies permitted; the practicality of triggering encryption in the DVD drive, and or what role embedded data may play. Similarly in the D-A case, how single copy (1,0) can be implemented, how embedded data might be used to protect against a D-A-D leakage path as well as a practical solution to the RGB output as a circumvention path.

Of course, each subcommittee is likely to discover additional technical subjects to pursue within its general guidelines.

Thank you for your continued involvement in these important discussions!